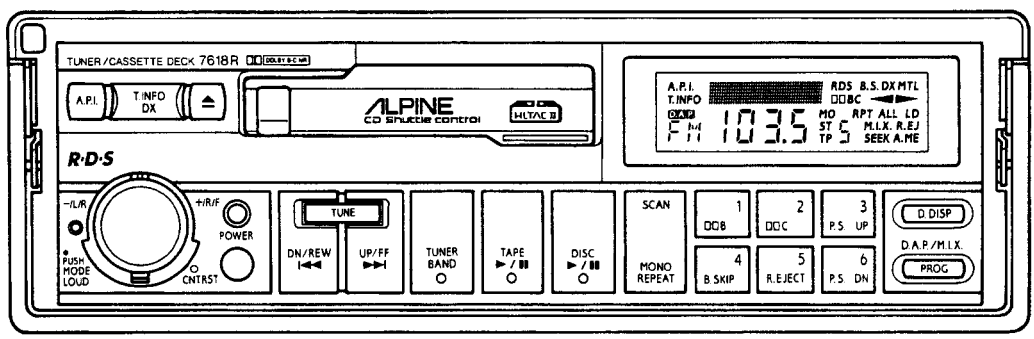
ALPINE MANUAL

FM/MW/LW/RDS Cassette Player



7618R

Specifications

FM RADIO

Intermediate Frequency	10.7 ± 0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Stereo at 98.1MHz)	17.2dBf
-10dB Limiting Sensitivity (at 98.1MHz)	17.2 ± 6dBf
S/N Ratio (Stereo 60dB 98.1MHz)	48dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 1mV at 98.1MHz)	1%
Frequency Response (Ref. 400Hz)	100Hz 0 ± 3dB
	10KHz -12 ± 3dB
Stereo Separation (at 1,000Hz)	25dB
SK Sensitivity (at 98.1MHz)	25.2dBf
PS Sensitivity (at 98.1MHz)	36.2dBf
TP Sensitivity (at 98.1MHz)	36.2dBf

MW RADIO

Intermediate Frequency	450kHz
Frequency Range	531~1,602KHz
Sensitivity 20dB S/N (at 1,404kHz)	34dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 1,404kHz)	50dB
IF Rejection (at 603kHz)	60dB
Distortion (at 999kHz)	1.5%
Frequency Response (999kHz at Ref. 400Hz)	100Hz -3 ± 4dB
	4KHz -12 ± 6dB

LW RADIO

Intermediate Frequency	450kHz
Frequency Range	153~281KHz
Sensitivity 20dB S/N (at 216kHz)	41dB
S/N Ratio (at 216kHz)	40dB
Image Rejection (at 216kHz)	50dB
IF Rejection (at 216kHz)	50dB
Distortion (at 216kHz)	1.5%
Frequency Response (216kHz at Ref. 400Hz)	100Hz -3 ± 4dB
	4kHz . -12 ± 6dB

TAPE PLAYER

Wow & Flutter (JIS, WRMS/MTT-111N)	0.2%
Tape Speed (MTT-111N)	4.76cm/sec. +3 to -1%
Signal to Noise Ratio (MTT-212)	Dolby OFF . 52dB
	Dolby B · 58dB
	Dolby C 65dB
Distortion (MTT-118N)	2%
Frequency Response (Ref. 1kHz, -3dB, MTT-256)	63Hz~12.5kHz
Separation (MTT-141N)	30dB
Crosstalk (MTT-121N)	45dB
FF & REW Time (C-60)	115sec.

GENERAL

Power Supply	DC14.4V
Pre Output Voltage / Impedance	1V / 10kohm
Semiconductors	37 IC's, 80 Transistors, 27 Diodes, 10 Zener Diodes
Dimension (W × H × D)	Nose 171 × 50 × 15 mm
	Chassis · 178 × 50 × 160 mm
Weight	1.6kg

Note : Due to Continuing product improvement, specifications and designs are subject to change without notice.

ERROR INDICATION FOR CD SHUTTLE

INDICATION	CAUSE	SOLUTION
ERROR–01	Disc-change malfunction.	Consult your Alpine dealer.
	Disc-change malfunction.	Press the magazine eject button and pull out the Magazine. Check for error indication. Insert the magazine again. If the magazine can not be pulled out, consult your Alpine dealer.
	Magazine ejection impossible.	Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.
ERROR–02	Disc is in player mechanism.	Press the magazine eject button, and insert an empty magazine.
---H	High Temperature.	Will disappear when the temperature returns to operation range.
EEEE	Misconnection or disconnection of CD Shuttle.	Check connection between CD Shuttle and control unit.

INDICATION FOR 7618R

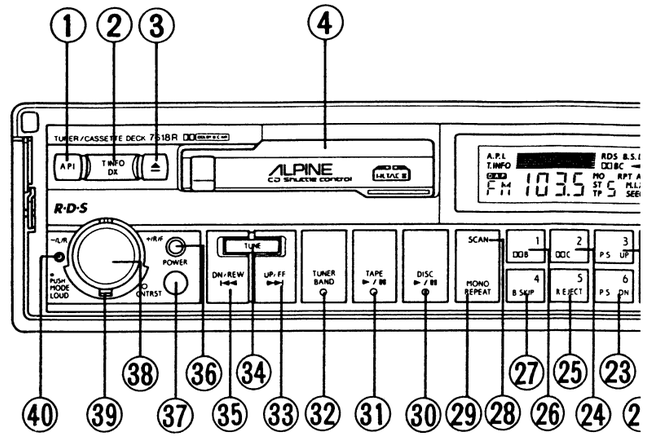
INDICATION	MEANING
NO MAGZN	The magazine is not installed into the CD Shuttle.
NO DISC	No discs are in the magazine.

FEATURES

- **FULL FRONT DIN™ CHASSIS**
- **CD SHUTTLE™ CONTROL**
- **Q.R.B. (QUICK RELEASE BRACKET)**
- **GR-HIGH PRECISION/LOW NOISE FULL LOGIC**
- **WIRELESS REMOTE CONTROL**
  The 7618R comes equipped with a wireless remote control that can control cassette, tuner and CD Shuttle™ functions.
- **I.D. (INTERACTIVE DISPLAY)**
  Interactive Display uses an alpha-numeric dot matrix screen to acknowledge the commands received and display other pertinent information.
- **HLTAC II™ TAPE HEAD**
  Alpine's proprietary HLTAC II tape head features Oxygen Free Copper (OFC) coil windings to prevent low level signal loss and corrosion. It also features a super-close-tolerance, extremely narrow 0.8 micron head gap for exceptionally flat and accurate frequency response.
- **P.S. (PROGRAM SENSOR)**
  Program Sensor allows skipping up to 9 tracks on the tape in either forward or reverse directions.
- **A.P.I. (AUTO PROGRAM IDENTIFICATION)**
  While A.P.I. function turns on in the FM mode, a best receptive RDS station which has same program as the station you are receiving automatically can be received.
- **T. INFO (TRAFFIC INFORMATION)**
  While T. INFO function turns on, a traffic information service automatically can be received when a station transmit.
- **D.A.P. (DIRECT ACCESS PRESETS)**
- **A. MEMO (INTELLIGENT AUTO MEMORY)**
- **REPEAT (TAPE, CD)**
- **SCAN (TAPE, CD)**
- **BLANK SKIP**
- **DOLBY* B/C NOISE REDUCTION**
- **S.T.M. (SOURCE TONE MEMORY)**
  Automatically memorizes the settings of your Bass/Treble Controls for each source.
- **DUAL PRE-AMP OUTPUTS**
  Dual pre-amp outputs, along with a pre-amp fader, make easy and complete system expansion possible.
- **LITETOUCH™ 30-STATION PRESETS**
  FM1 : 6, FM2 : 6, MW : 6, LW : 6, D.A.P.: 6

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol (◻◻) are trademarks of Dolby Laboratories Licensing Corporation.

CONTROLS AND INDICATORS



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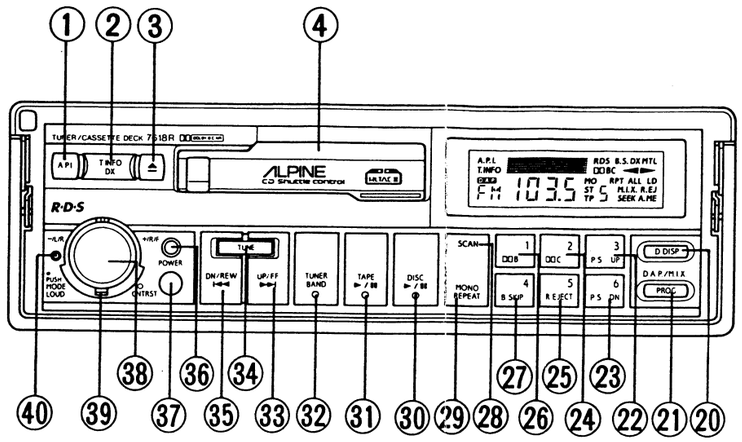
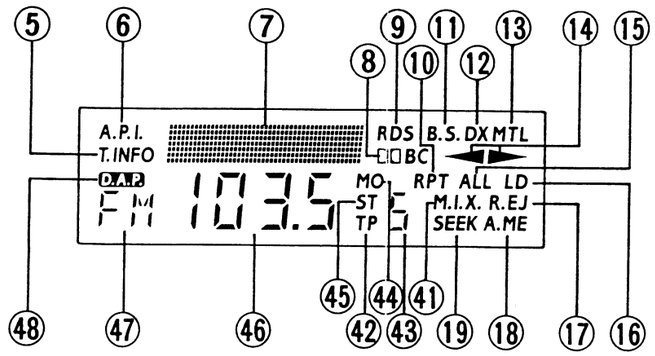
OUCH™ 30-STATION PRESETS
6, FM2 : 6, MW : 6, LW : 6, D.A.P.: 6

noise reduction manufactured under license from Dolby Laboratories Licensing ation. "DOLBY" and the double-D symbol (DD) are trademarks of Dolby ıtories Licensing Corporation.

CONTROLS AND INDICATORS

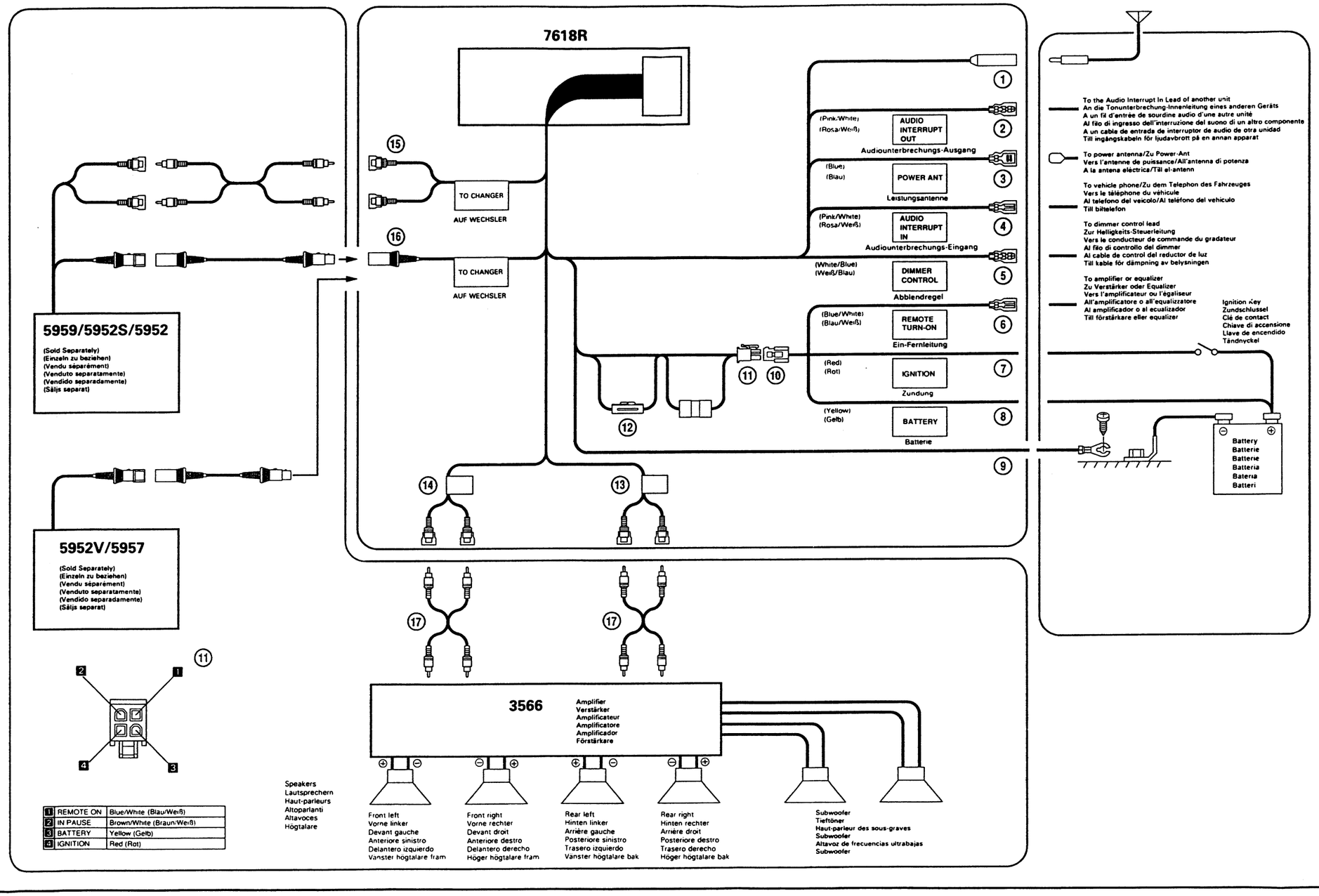




CONTROLS AND INDICATORS

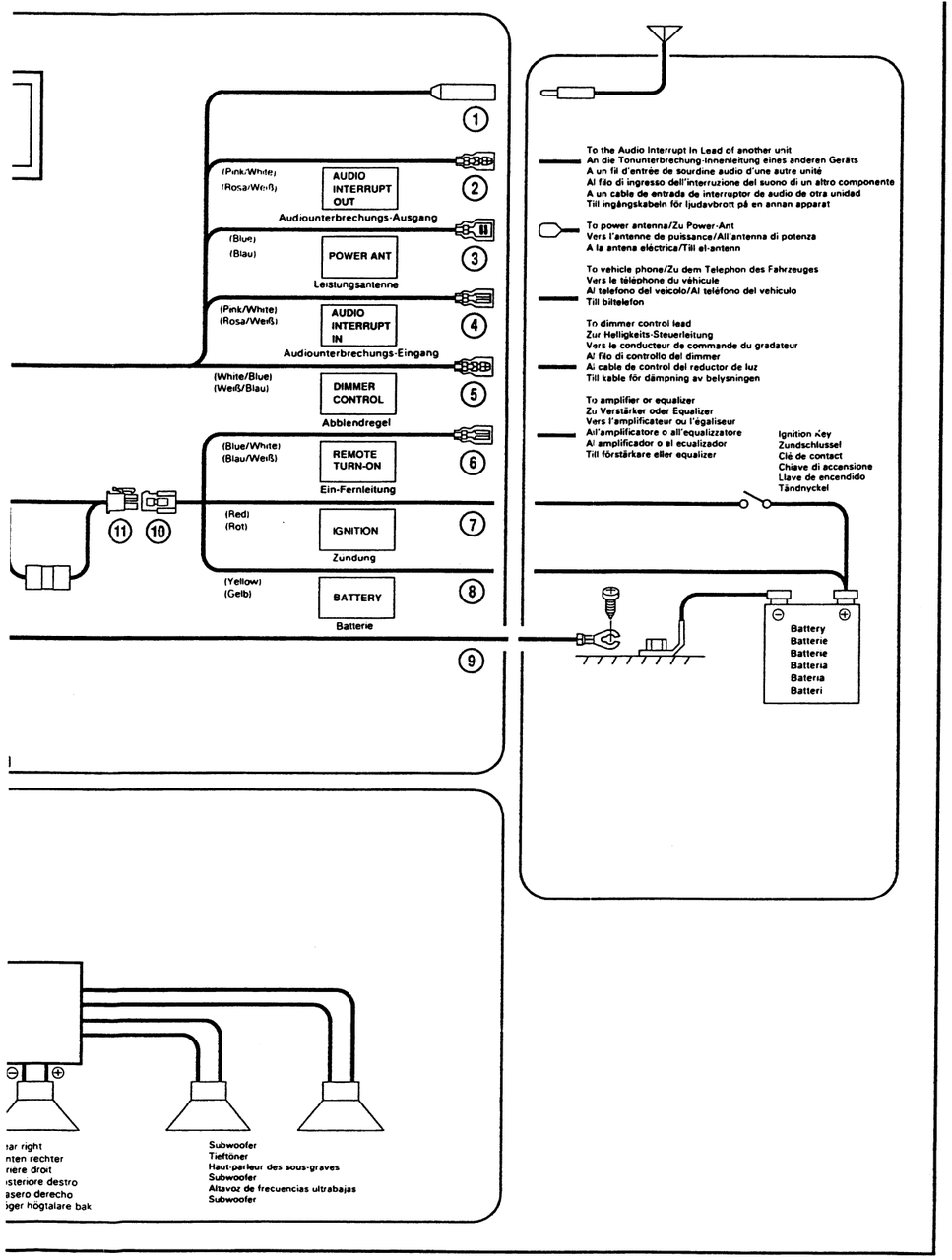
① **Auto Program Identification Button**
② **Traffic INFOrmation/DX (Local/Distance) Button**
③ **Eject Button**
④ **Cassette Loading Slot**
⑤ **T. INFO Indicator**
⑥ **A.P.I. Indicator**
⑦ **Dot Matrix Display**
⑧ **Dolby B/C NR Indicator**
⑨ **RDS Indicator**
⑩ **RePeaT Indicator**
⑪ **Blank Skip Indicator**
⑫ **DX Indicator**
⑬ **MeTaL Indicator**
⑭ **Tape Direction Indicators**
⑮ **ALL Indicator**
⑯ **LouDness Indicator**
⑰ **Return EJect Indicator**
⑱ **A. MEmo Indicator**
⑲ **SEEK Indicator**
⑳ **Demonstration DISPlay Button**
㉑ **PROGram/D.A.P. (Direct Access Preset)/M.I.X. Button**
㉒ **Preset and Direct Disc Access No. 3/P.S. UP Button**
㉓ **Preset and Direct Disc Access No. 6/P.S. DN Button**
㉔ **Preset and Direct Disc Access No. 2/Dolby C NR Button**
㉕ **Preset and Direct Disc Access No. 5/Return EJECT Button**
㉖ **Preset and Direct Disc Access No. 1/Dolby B NR Button**
㉗ **Preset and Direct Disc Access No. 4/Blank SKIP Button**
㉘ **SCAN Button**
㉙ **MONO/REPEAT Button**
㉚ **DISC (Play ▶ /Pause ❚❚) Button**
㉛ **TAPE (Play ▶ /Pause ❚❚) Button**
㉜ **TUNER/BAND Button**
㉝ **UP/FF Switch (▶▶|)**
㉞ **TUNE Switch**
㉟ **DN/REW Switch (|◀◀)**
㊱ **POWER On/Off Switch (PUSH)**
㊲ **Sensor Window for Remote Control**
㊳ **Audio MODE Select Switch/Volume up down/LOUDness Button**
㊴ **CoNTRaST Control**
㊵ **Reset Switch**
㊶ **M.I.X. Indicator**
㊷ **TP Indicator**
㊸ **Preset No./Disc No. Indicator**
㊹ **MOnaural Indicator**
㊺ **STereo Indicator**
㊻ **Digital Display**
㊼ **Band/Track No. Indicator**
㊽ **D.A.P. Indicator**

CONNECTIONS



① **Antenna Receptacle**
② **Audio Interrupt Out Lead (Pink/White)**
③ **Power Antenna Lead (Blue)**
When loaded with a power antenna, connect to the
nal of the power antenna.
④ **Audio Interrupt In Lead (Pink/White)**
⑤ **Dimmer Control Lead (White/Blue)**
Connect this lead to the lead in the vehicle's parking
cuit that provides (+)12V when the parking lights a
on. This will dim the unit's backlighting at night
parking lights are on.
⑥ **Remote Turn-On Lead (Blue/White)**
Connect this lead to the remote turn-on lead of your
or signal processor.
⑦ **Switched Power Lead (Ignition) (Red)**
Connect this lead to an open terminal on the vehi
box or another unused power source which provid
only when the ignition is turned on or in the acces
tion.
⑧ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the veh
tery.
⑨ **Ground Lead**
Connect this lead to a good chassis ground on the
Make sure the connection is made to bare metal and
ly fastened using the sheet metal screw provided.
⑩ **Power Wiring Harness (Included)**
Connect to the Power Supply Connector ⑪.
⑪ **Power Supply Connector**
Connect to the receptacle of Power Wiring Harnes
⑫ **Fuse Holder (3A)**
⑬ **Rear Output RCA Connectors**
RED is right and WHITE is left.
⑭ **Front Output RCA Connectors**
RED is right and WHITE is left.
⑮ **CD Shuttle Input RCA Connectors**
Connect to CD Shuttle output only.
⑯ **DIN Connector**
Connect this to the DIN connector on the CD Shut
⑰ **Extension Cable (Sold Separately)**

ONS



CONNECTIONS

① **Antenna Receptacle**
② **Audio Interrupt Out Lead (Pink/White)**
③ **Power Antenna Lead (Blue)**
When loaded with a power antenna, connect to the +B terminal of the power antenna.
④ **Audio Interrupt In Lead (Pink/White)**
⑤ **Dimmer Control Lead (White/Blue)**
Connect this lead to the lead in the vehicle's parking lights circuit that provides (+)12V when the parking lights are turned on. This will dim the unit's backlighting at night when the parking lights are on.
⑥ **Remote Turn-On Lead (Blue/White)**
Connect this lead to the remote turn-on lead of your amplifier or signal processor.
⑦ **Switched Power Lead (Ignition) (Red)**
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+)12V only when the ignition is turned on or in the accessory position.
⑧ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.
⑨ **Ground Lead**
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
⑩ **Power Wiring Harness (Included)**
Connect to the Power Supply Connector ⑪.
⑪ **Power Supply Connector**
Connect to the receptacle of Power Wiring Harness ⑩.
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RED is right and WHITE is left.
⑮ **CD Shuttle Input RCA Connectors**
Connect to CD Shuttle output only.
⑯ **DIN Connector**
Connect this to the DIN connector on the CD Shuttle.
⑰ **Extension Cable (Sold Separately)**

OPERATION

● BASIC OPERATION

Function Confirmation Display
With each touch on the function buttons, your selection is shown on the dot matrix display ⑦ in large characters for 2 seconds.

Initial System Start
When operating the system for the first time after installation or after the vehicle's battery has been disconnected and reconnected, set the volume level to its minimum, then carefully press the Reset switch ㊵ with a sharp pencil or any other pointed object.

How to adjust the volume and tone (Refer to the diagram in next page.)
1. Turn on the system by pushing the POWER On/Off switch ㊱ or any other button (other than Eject ③ or Reset ㊵).
2. Press the Audio MODE Select switch ㊳ to select each adjusting mode.
→TREBLE → BASS → BALANCE → FADER → VOLUME →
Each time this switch is pressed, the mode changes. The mode is indicated in the display. The mode indicator changes as each mode is selected.
3. Once the desired mode appears in the display, use the Audio MODE Select switch ㊳ to make your adjustment. The display will return to the previous mode indication after 5 seconds.

Power Off
Press the POWER On/Off switch ㊱ to turn the unit Off.

LOUDness
Press the LOUD button ㊳ for more than 2 seconds to activate the loudness function. Press the LOUD button ㊳ for more than 2 seconds again to defeat this feature.

Mode Switching of the 7618R
1. Radio Mode
Press the TUNER button ㉜ to put the unit into the radio mode. The Band indicator ㊼ (FM1, FM2 or MW/LW) will appear in the display.
2. Cassette Player Mode
Press the TAPE button ㉛ to put the unit into the cassette player mode.
3. CD Shuttle Mode
Press the DISC button ㉚ to put the unit into the CD mode.

CoNTRaST Control ㉙
Use this control to adjust the brigthness of the dot matrix display based on your angle of sight.

Six Modes Setting Function
This unit allows setting of six modes shown below. For further details, refer to the description on each mode.
Preset No. 1: FM level switching.
Preset No. 2: Sound volume setting during reception of traffic information.
Preset No. 3: Operation switching when a traffic information station is not received.
Preset No. 4: Operation switching for Q.R.B. Minder.
Preset No. 5: Switching of automatic tracing function. (API-1/API-2)
Preset No. 6: Built-in lighting switch function (amber/green).

Indication example	Turn the Audio MODE Select switch.	
	Left	Right
VOLUME adjust. VOLUME - 2 6 (-∞ ~ 0)	Volume decrease VOLUME - 0 0	Volume increase VOLUME 0
TREBLE adjust. TREBLE - 4 (-7 ~ +7)	Treble decrease TREBLE - 7	Treble increase TREBLE + 7
BASS adjust. BASS - 3 (-7 ~ +7)	Bass decrease BASS - 7	Bass increase BASS + 7
BALANCE adjust. BALANCE - - - (0 ~ 8)	Volume increase of left speaker BALANCE L 8	Volume increase of right speaker BALANCE R 8
FADER adjust. FADER - - - (0 ~ 8)	Volume increase of rear speaker FADER R 8	Volume increase of front speaker FADER F 8

S.T.M. (Source Tone Memory)

The Bass and Treble controls can be individually set for each source (FM, MW/LW, Tape, and CD). Once set, their positions are automatically memorized. Whenever the source is reselected, the Bass and Treble controls will return to your preset configuration.

Message Display

A message about your new 7618R was input at the factory. Press the D. DISP button ⑳ to display the Alpine message. Pressing the D. DISP button ⑳ again deactivates this function.

Switching the Lighting Color

Lighting colors (amber/green) for the front panel can be changed.

1. Press the TUNE switch ㉞ for 3 seconds.
2. Press the Preset No. 6 button ㉓ to switch the lighting between green and amber.

● RADIO OPERATION

Tuning Band Selection

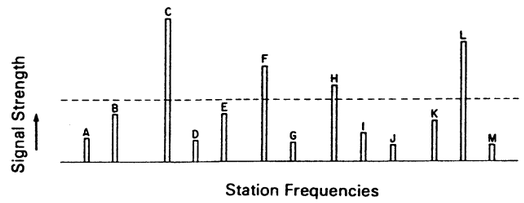
Press the BAND button ㉜ to select the desired tuning band. The Band indicator shows your selection.

Local/Distance (DX) Seek Sensitivity for FM, MW and LW

You can select the radio seek sensitivity local or distance (DX), by pressing the DX (distance) button ② for more than 2 seconds.

In the local mode, with no DX indication ⑫, the radio tunes in only strong stations (stations C, F, H and L in the illustration below).

In the distance mode, with DX indication ⑫, the radio tunes in both strong and weak stations (all stations from A to M in the illustration).



FM Stereo/Monaural Switching

You can select between the Auto Switching or Monaural only for FM reception by pressing the MONO button ㉙. In the Auto Switching mode, you can receive stereo broadcasts in stereo and monaural broadcasts in MONO. The STereo ㊺ or MO indicator ㊹ shows you which one is being received. In the Monaural mode, you will receive the broadcast in monaural only, even if the broadcast is in stereo. The monaural only mode quiets the noisy stereo signal of weaker broadcasts. The STereo indicator ㊺ will not appear while the monaural mode is selected.

Manual Tuning

1. Press the TUNE switch ㉞ until the MANUAL indicator appears in the dot matrix display ⑦.
2. To select the tuning band, press the BAND button ㉜. The Band indicator shows your selection.
3. To tune to higher frequencies, press the UP switch ㉝.
   To tune to lower frequencies, press the DN switch ㉟.

Auto SEEK Tuning

1. Press the TUNE switch ㉞ until the SEEK indicator ⑲ appears in the display.
2. Select the tuning band with the BAND button ㉜.
3. Press the UP (▶▶|) ㉝ or DN (|◀◀) ㉟ switch. The unit automatically tunes to the next higher or lower frequency and locks on that station.

Preset Memory Programming

Follow the instructions below to program stations into preset memory:

1. Select the tuning band (FM1, FM2, MW or LW) with the BAND button ㉜.
2. Tune in your desired station using Manual or Auto SEEK tuning.
3. Press the Preset button number 1 ㉖ for more than 2 seconds. The digital c will begin to blink. Press that preset button again while the display is blinkir seconds).
4. The frequency you selected will be placed into Preset Memory number 1 ai appear in the display.
   NOTE:
   If a preset memory has already been set in the same address, it will be c the new station will be memorized.
5. Follow steps 2 — 3 for the remaining presets (2 — 6). Use this procedure fc FM2, MW and LW.

Auto MEMOry Preset

1. Press the TUNE switch ㉞ to light up the A. ME indicator ⑱.
2. Select the desired tuning band (FM1, FM2, MW or LW) with the BAND but
3. Press the UP ㉝ or DN ㉟ switch. The tuner will automatically seek the 6 st stations in each band and memorize them in order of the signal strength. T stations are automatically placed in the preset memory with the strongest s Preset No. 1 and the 6th strongest station in Preset No. 6. When seeking s tuner first seeks in the local tuning mode. If less than 6 stations are memo tuner seeks again in the distance (DX) mode.
4. After finishing the Auto Memory Preset, the tuner goes to the station place Memory No. 1. If no stations are memorized, it returns to the original static listening to before the Auto Memory Preset procedure began. When auto m presetting is completed, the A. ME indicator ⑱ will disappear and the SEEK ⑲ will appear.

NOTE:

The Auto Memory Preset feature also works in the D.A.P. mode.

Preset Tuning

After the preset stations have been memorized, you can tune in your desired (within the band displayed) with one touch of a button.

1. Select the tuning band (FM1, FM2, MW or LW) with the BAND button ㉜.
2. Press any one of the Preset buttons (㉒ — ㉗) and the number of that Prese illuminate in the dot matrix display ⑦.
3. The frequency of the station placed in the selected preset location will appe display.

D.A.P. (Direct Access Preset)

This feature allows the storage of FM, MW and LW presets on the same bar the D.A.P. button ㉑ to light up the D.A.P. indicator ㊽. To program stations intc band, follow steps 1 — 3 as described in the Preset Memory Programming sect

Accessing the D.A.P. Presets

1. Press the D.A.P. button ㉑. The D.A.P. indicator ㊽ will illuminate in the disp
2. Press one of the preset buttons (㉒ — ㉗).
3. The frequency of the station placed in the selected D.A.P. location will appe display.

Switching the FM Volume

Use this function if the difference in volume is great when switching betwee and the FM radio.

1. Press the TUNE switch ㉞ for 3 seconds.
2. Press the Preset No. 1 button ㉖ to switch the display between "FM-LV Hi" "FM-LV Lo".
   The FM volume can be set to one of two positions, high or low. Set the po according to the broadcast station.

FM-LV Hi ⟷ FM-LV Lo

ALPI-00284 / DRUCK 5

OPERATION

IO OPERATION

Band Selection

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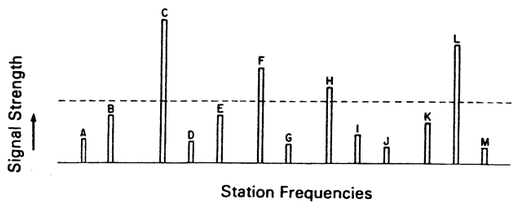

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Preset Memory Programming

Follow the instructions below to program stations into preset memory:
1. Select the tuning band (FM1, FM2, MW or LW) with the BAND button ㉜.
2. Tune in your desired station using Manual or Auto SEEK tuning.
3. Press the Preset button number 1 ㉖ for more than 2 seconds. The digital display ㊻ will begin to blink. Press that preset button again while the display is blinking (within 5 seconds).
4. The frequency you selected will be placed into Preset Memory number 1 and will appear in the display.
   NOTE:
   If a preset memory has already been set in the same address, it will be cleared and the new station will be memorized.
5. Follow steps 2 — 3 for the remaining presets (2 — 6). Use this procedure for FM1, FM2, MW and LW.

Auto MEMOry Preset

1. Press the TUNE switch ㉞ to light up the A. ME indicator ⑱.
2. Select the desired tuning band (FM1, FM2, MW or LW) with the BAND button ㉜.
3. Press the UP ㉝ or DN ㉟ switch. The tuner will automatically seek the 6 strongest stations in each band and memorize them in order of the signal strength. These stations are automatically placed in the preset memory with the strongest station in Preset No. 1 and the 6th strongest station in Preset No. 6. When seeking stations, the tuner first seeks in the local tuning mode. If less than 6 stations are memorized, the tuner seeks again in the distance (DX) mode.
4. After finishing the Auto Memory Preset, the tuner goes to the station placed in Preset Memory No. 1. If no stations are memorized, it returns to the original station you were listening to before the Auto Memory Preset procedure began. When auto memory presetting is completed, the A. ME indicator ⑱ will disappear and the SEEK indicator ⑲ will appear.

NOTE:
The Auto Memory Preset feature also works in the D.A.P. mode.

Preset Tuning

After the preset stations have been memorized, you can tune in your desired station (within the band displayed) with one touch of a button.
1. Select the tuning band (FM1, FM2, MW or LW) with the BAND button ㉜.
2. Press any one of the Preset buttons (㉒ — ㉗) and the number of that Preset will illuminate in the dot matrix display ⑦.
3. The frequency of the station placed in the selected preset location will appear in the display.

D.A.P. (Direct Access Preset)

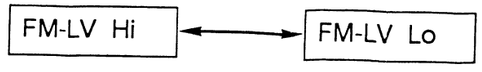
This feature allows the storage of FM, MW and LW presets on the same band. Press the D.A.P. button ㉑ to light up the D.A.P. indicator ㊽. To program stations into the D.A.P. band, follow steps 1 — 3 as described in the Preset Memory Programming section above.

Accessing the D.A.P. Presets

1. Press the D.A.P. button ㉑. The D.A.P. indicator ㊽ will illuminate in the display.
2. Press one of the preset buttons (㉒ — ㉗).
3. The frequency of the station placed in the selected D.A.P. location will appear in the display.

Switching the FM Volume

Use this function if the difference in volume is great when switching between a tape and the FM radio.
1. Press the TUNE switch ㉞ for 3 seconds.
2. Press the Preset No. 1 button ㉖ to switch the display between "FM-LV Hi" and "FM-LV Lo".
   The FM volume can be set to one of two positions, high or low. Set the position according to the broadcast station.



OPERATION

● TAPE PLAYER OPERATION

Turn the unit on and press the TAPE (▶/❚❚) button ㉛ to access the tape mode.

Dolby* B/C Noise Reduction

Before playing a cassette tape, check to see if it is encoded with Dolby B or C noise reduction. Press the Dolby NR B or C button (㉘ or ㉙) when playing a Dolby NR encoded tape. The Dolby NR B or C indicator ⑧ on the button will illuminate.

Cassette Loading

1. Insert a prerecorded cassette tape into the Cassette Loading Slot ④ with the open side facing to your right.
2. If the cassette tape is not completely loaded into the deck, lightly press the cassette into the slot.

Metal (MTL) Indicator

Metal or CrO_2 cassette tapes having an open detection hole will automatically be detected, in which case the MTL indicator ⑬ in the display comes on and the playback equalization is automatically set to 70μsec.

Eject

Press the Eject button ③ to eject the cassette from the tape mechanism.

Pause

To temporarily stop playback, press the TAPE (▶/❚❚) button ㉛. To resume playback, press the same button again.

Playback

1. Insert a prerecorded cassette tape with the open side facing right. The playback begins immediately.
2. If a cassette tape is already loaded in the unit, press the TAPE (▶/❚❚) button ㉛ to start playback.
3. To stop tape play, press the Eject button ③ or turn the power off with the POWER On/Off switch ㊱.

NOTE:
Push the TUNE switch ㉞ with the tape or CD played in the A.P.I. or T. INFO mode, and the unit will be set to the TUNER mode and the tuning is possible.

True Fast Forward and Rewind

1. Press the FF switch ㉝ to advance the tape quickly. Press the REW switch ㉟ to rapidly run the tape backward. The deck will perform these functions correctly regardless of the tape play direction.
2. To disengage the FF or REW function, press the TAPE (▶/❚❚) button ㉛.

ALPI-00284 / DRUCK 6

OPERATION

Program Sensor

1. To advance the tape to the beginning of the next musical track, press and release the P.S. UP button ㉒. The display will show "P.S. UP + 1" as shown below. Successive pressing of this button will increase the number of tracks to be skipped as the tape advances. The number in the display will increase accordingly. For example, to go from track 1 to track 4, press the P.S. UP button ㉒ three times (the number in the display will be "+3"). The tape deck searches for blank sections between tracks to the beginning of track 4 and begins playback.
2. To access the beginning of the current musical track, press and release the P.S. DN button ㉓. The display will show "P.S. DN −1". Successive pressing of this button will increase the number of tracks to be skipped as the tape rewinds. The number in the display will increase (in the negative direction) accordingly. For example, to go from track 5 to track 4, press the P.S. DN button ㉓ twice (the number in the display will be "−2" as shown below. The tape deck searches for blank sections between tracks to the beginning of the track 4 and begins playback.

[Example]

P.S. UP +1	P.S. DOWN −2

NOTE:
The P.S. cannot detect blank sections of less than 3 seconds.

Auto Reverse
When the tape is played or fast-forwarded to the end, the tape transport automatically reverses the tape direction and playback begins.

Manual Reverse
To manually change playback direction (switch between side A and side B), press the PROG button ㉑.

REPEAT

1. Insert the cassette tape and begin playback.
2. When you find a selection you would like to repeat, press the REPEAT button ㉙ until the RPT indicator appear in the display. This selection will be continuously repeated until the REPEAT function is disengaged.
3. To cancel the repeat function, press the REPEAT button ㉙ again. The RPT indicator ⑩ will disappear.

SCAN

1. Press the SCAN button ㉘ and the deck will play the first 10 seconds of each selection. This feature is convenient when searching for a particular selection on a tape.
2. Once you have located your desired selection, press the SCAN button ㉘ again to defeat this function.

Blank SKIP

1. Press the B. SKIP button ㉗ during playback to skip over any blank sections of tape lasting 15 seconds or more.
2. To cancel the Blank Skip function, press the B. SKIP button ㉗ again.

Return EJECT

1. Insert the cassette tape and begin playback.
2. Press the R. EJECT button ㉕ during one of the following modes and the cassette tape will automatically eject when:
   - Playback mode; After both sides A and B have been played.
   - Fast Forward mode; After the other side has been played.

   The R. EJ indicator ⑰ on that button will light.
3. To cancel the Return Eject mode, press the R. EJECT button ㉕ again.

7618R

OPERATION

Tape Running Status Display
The dot matrix display ⑦ indicates tape running status. To turn off the display, push the D. DISP switch ⑳ for more than 2 seconds.

Head Cleaning
When playback sound quality begins to deteriorate, it is time to clean the tape head. Insert a special head cleaning cassette into the tape deck and allow it to run for approximately 1 minute to remove any foreign matter. There are special cleaning cassettes that also clean the capstans and pinch rollers. Please contact your authorized Alpine dealer for information about these cleaning devices.

● CD OPERATION

The following instructions apply only to systems that incorporate the Alpine CD Shuttle with 7618R.

Turn the unit on and access the CD mode by pressing the DISC (▶/❚❚) button ㉚.

Initial System Turn-On
When operating the system for the first time after installation or after the vehicle's battery has been disconnected and reconnected, press the Reset switch ㊵ with a sharp pencil or other pointed object.

Disc Check
When the magazine is loaded into the CD Shuttle under playback status with the DISC (▶/❚❚) button ㉚ pushed, a Disc check for the magazine is carried out.
"DISC CHK" on the dot matrix display ⑦ is blinking during the check, and then the player enters the pause mode after completion of the check.

Normal Play

1. Press the DISC (▶/❚❚) button ㉚.
2. The first disc will begin playback.
3. After the last track on the last disc is played back, the pickup will return to the beginning of the first track of the first disc and begin playback from that point.

Pause
While the disc is playing, press the DISC (▶/❚❚) button ㉚ to temporarily stop playback. The dot matrix display ⑦ will show "PAUSE". To resume playback, press the DISC button (▶/❚❚) ㉚ again.

Music Sensor (Skip)
This feature allows you to access the beginning of your musical track selection simply and quickly. It is functional in the play or pause mode. The Track No. indicator ㊼ shows the track number you have selected.

- To advance to the next track on the disc, press the UP/FF switch ㉝.

1. Playback stops, and the pickup moves up to the beginning of the next track. That track number appears in the Track No. indicator ㊼.
2. Playback begins immediately.
3. If you wish to access a track further ahead on the disc, continue pressing and releasing the UP/FF switch ㉝ until you reach the track of your choice.

- To replay the track that is currently playing, press and release the DN/REW switch ㉟.

1. Playback stops, and the pickup moves back to the beginning of the current track. The track number in the Track No. indicator ㊼ remains the same.
2. Playback begins immediately from the beginning of the track.
3. If you access a track further towards the beginning of the disc, continue pressing and releasing the DN/REW switch ㉟ until you reach the track of your choice.

7618R

OPERATION

Direct Disc Access

1. Press one of the Direct Disc Access buttons (㉒ — ㉗) to select from discs 1 — disc and track numbers will appear in the display.
2. Press the UP/FF ㉝ or DN/REW ㉟ switch for musical track selection.

Fast Forward/Fast Backward
The fast forward/fast backward feature works in the play mode only.

1. Press either the FF ㉝ or the REW ㉟ switch and hold it down for more than 1 s
2. To move the pickup forward rapidly, hold down the FF switch ㉝.
3. To move the pickup backward rapidly, hold down the REW switch ㉟.
4. Release the button when you get to the desired position on the disc.
5. When the pickup reaches the end of the disc, it will begin playback from the be of the first track on the next disc.

REPEAT (One/All)
This feature allows you to continuously repeat a single track or one entire disc.

To Repeat a Single Track

1. Locate the music track of your choice using the UP ㉝ or DN ㉟ switch.
2. Press the REPEAT button ㉙.
   The RPT indicator ⑩ will illuminate, and "RPT ONE" indicator on the dot matrix ⑦ will appear.
   The music track will be played back repeatedly.
3. To stop repeat play, press the REPEAT button twice. The "RPT OFF" indication dot matrix display ⑦ will appear.

To Repeat an Entire Disc

1. While playing a disc, press the REPEAT button ㉙ until the RPT ⑩ and ALL ⑮ indicators will illuminate.
2. The disc will be played back repeatedly.
3. To stop repeat play, press the REPEAT button ㉙ once. The indicator illuminatior be off.

Disc Scan
Press the SCAN button ㉘ and the unit will playback the first 10 seconds of each in succession. This function is useful in searching ahead on a disc for a specific sele Pressing the SCAN button ㉘ a second time deactivates the function.

M.I.X. (Random Play)
Press the M.I.X. button ㉑ while the unit is in the play or pause mode. Musical tra the selected disc will be played back in a random sequence generated by the microprocessor. After all the tracks on the disc have been played back once, the pl will begin a new random sequence.

Q.R.B. Minder
This unit is equipped with a built-in theft prevention reminder system. If the unit i removed from the Quick Release Bracket after turning the ignition key off, a beeper sound as a reminder to remove the unit.
Whether the ignition is on or off, the unit may beep when it is being removed fron dash.
You can switch the Q.R.B. Minder system on or off by the following.

1. Press the TUNE switch ㉞ for 3 seconds.
2. Press the Preset No. 4 button ㉗ to switch the display between "QRBM ON" and "QRBM OFF".

QRBM ON	: Q.R.B. Minder is on.
QRBM OFF	: Q.R.B. Minder is off.

NOTE:
The unit is initially set with the Q.R.B. Minder system on. If the vehicle's engine d not start for over 2 seconds after turning the ignition key on, the Q.R.B. Minder syste may be triggered.

OPERATION

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RATION

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OPERATION

Direct Disc Access
1. Press one of the Direct Disc Access buttons (㉒ – ㉗) to select from discs 1 – 6. The disc and track numbers will appear in the display.
2. Press the UP/FF ㉝ or DN/REW ㉟ switch for musical track selection.

Fast Forward/Fast Backward
The fast forward/fast backward feature works in the play mode only.
1. Press either the FF ㉝ or the REW ㉟ switch and hold it down for more than 1 second.
2. To move the pickup forward rapidly, hold down the FF switch ㉝.
3. To move the pickup backward rapidly, hold down the REW switch ㉟.
4. Release the button when you get to the desired position on the disc.
5. When the pickup reaches the end of the disc, it will begin playback from the beginning of the first track on the next disc.

REPEAT (One/All)
This feature allows you to continuously repeat a single track or one entire disc.

To Repeat a Single Track
1. Locate the music track of your choice using the UP ㉝ or DN ㉟ switch.
2. Press the REPEAT button ㉙.
   The RPT indicator ⑩ will illuminate, and "RPT ONE" indicator on the dot matrix display ⑦ will appear.
   The music track will be played back repeatedly.
3. To stop repeat play, press the REPEAT button twice. The "RPT OFF" indication on the dot matrix display ⑦ will appear.

To Repeat an Entire Disc
1. While playing a disc, press the REPEAT button ㉙ until the RPT ⑩ and ALL ⑮ indicators will illuminate.
2. The disc will be played back repeatedly.
3. To stop repeat play, press the REPEAT button ㉙ once. The indicator illumination will be off.

Disc Scan
Press the SCAN button ㉘ and the unit will playback the first 10 seconds of each track in succession. This function is useful in searching ahead on a disc for a specific selection. Pressing the SCAN button ㉘ a second time deactivates the function.

M.I.X. (Random Play)
Press the M.I.X. button ㉑ while the unit is in the play or pause mode. Musical tracks on the selected disc will be played back in a random sequence generated by the microprocessor. After all the tracks on the disc have been played back once, the player will begin a new random sequence.

Q.R.B. Minder
This unit is equipped with a built-in theft prevention reminder system. If the unit is not removed from the Quick Release Bracket after turning the ignition key off, a beeper will sound as a reminder to remove the unit.
Whether the ignition is on or off, the unit may beep when it is being removed from the dash.
You can switch the Q.R.B. Minder system on or off by the following.
1. Press the TUNE switch ㉞ for 3 seconds.
2. Press the Preset No. 4 button ㉗ to switch the display between "QRBM ON" and "QRBM OFF".

QRBM ON	: Q.R.B. Minder is on.
QRBM OFF	: Q.R.B. Minder is off.

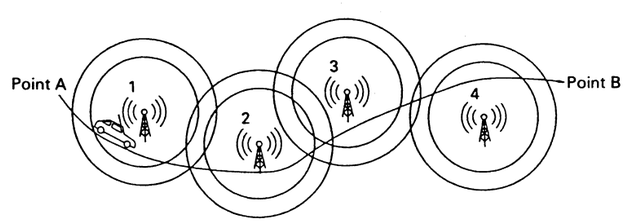
NOTE:
The unit is initially set with the Q.R.B. Minder system on. If the vehicle's engine does not start for over 2 seconds after turning the ignition key on, the Q.R.B. Minder system may be triggered.

GUIDE FOR RDS OPERATION

● R.D.S. METHOD

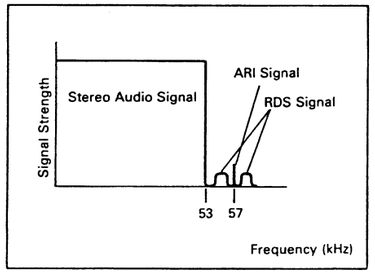
The R.D.S. (Radio Data System) is a broadcasting system in which digital data for automatic tuning, etc., on car radios is added to the FM radio signals.
Its standards are set by the E.B.U. (European Broadcasting Union).

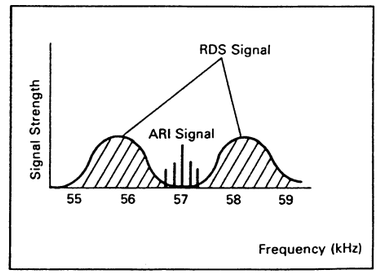
Automatic Tracing



To keep receiving the same broadcast when moving from point A to point B with the network shown above, it was previously necessary to tune in the next station (1 to 4) either manually or using the seek operation once the reception got bad.
The auto tuning system automatically switches the reception station to the station in the network offering the best reception.

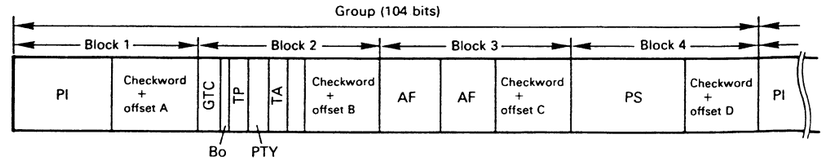
RDS Signal





The RDS data are transferred as shown above so that they do not give any influence on the sound signals.

RDS Data Structure (Sample of type 0A group)



Six Modes Setting Function

This unit allows setting of six modes shown below. Press the TUNE switch ㉞ for 3 seconds, and press any one of the Preset buttons (㉒ – ㉗). For further details, refer to each mode described in the Owner's Manual and RDS Manual.

* FM level switching.
* Sound volume setting during reception of traffic information.
* Operation switching when a traffic information station is not received.
* Operation switching for Q.R.B. Minder.
* Switching of automatic tracing function. (API-1/API-2)
* Built-in lighting switching function (amber/green).

The RDS data used are the PI, PS, AF, TP, TA and EON data.

PI: Program Identification code
Code identifying programs and consisting of a country code and a program code.

PS: Program Service name
Broadcast station name data expressed in alphanumerical characters of up to 8.

AF: Alternative Frequencies
Frequency list data for broadcasting stations transmitting the same program.

TP: Traffic Program identification
Identification data for traffic information broadcasting station.

TA: Traffic Announcement identification
Identification data showing traffic information is being transmitted or not.

EON: Enhanced Other Networks Information
Broadcasting information on PI, AF, TP, TA, etc. relating to networks other than the network used for current reception.

RDS Function on the 7618R

The RDS data is used for the following operations:

- Auto tuning to the station in the network with the best reception is performed using the PI and AF data.
- The station name is displayed using the PS data.
- Traffic information is received automatically using the TP and TA data.

● A.P.I. (AUTO PROGRAM IDENTIFICATION) OPERATION

1. Press the TUNER/BAND button ㉜ to set the FM mode. (The A.P.I. function does not operate on the MW and LW bands.)
2. Press the A.P.I. button ①. The A.P.I. indicator ⑥ appears on the display.
3. Press the TUNE switch ㉞ to set the seek mode. (The SEEK indicator ⑲ appears on the display.)
4. Press the UP or DN switch (㉝ or ㉟) to start tuning.
   Once the station is tuned in, the RDS indicator ⑨ appears on the display.
   After approximately 1 second, the display switches from the frequency to the station name.
   (If the reception is poor, more time is required for the station name to appear.)
5. When the reception of the station last tuned in becomes poor, the set automatically switches to another frequency broadcasting the same program with better reception. (The automatic follow operation does not function in areas where there is no broadcast network.)
6. Press the A.P.I. button ① to cancel the A.P.I. mode.
   The A.P.I. indicator ⑥ on the display turns off, and the station display switches back to the frequency display.

NOTES:

1. With the A.P.I. button ① in the on position, reception of an RDS station (indicated by the station name display and the lighting of the RDS indicator) will result in automatic tracing of stations having the same broadcast contents.
2. When the A.P.I. button ① is left on in the seek mode, the radio will also stop at non-RDS stations, but the display will continue to show a frequency.

● API-1/API-2 MODE

This unit has employed two modes of API-1/API-2 as automatic tracing systems, so use one of the modes depending upon status of broadcasting networks, reception status, and other environment.

1. Press the TUNE switch ㉞ for 3 seconds.
2. Press the Preset No. 5 button ㉕ to switch between API-1 to API-2.

[API-1] Mode

- When the reception status becomes poor, the unit is automatically switched to a station which provides good reception status.

NOTE:

Under certain conditions of broadcasting stations, the unit will be switched to another program station for an instant time of period.

[API-2] Mode

- If erroneous operation occurs with API-1 mode selected, switch the mode to the "API-2" mode.

NOTES:

1. When switching from a station which provides poor reception condition to the other station which provides good condition, the MUTE function works for an instant period to check whether the switched station is the same station.
2. When moving from the station providing poor reception condition to a good station, the MUTE function successively works for a specified interval if a station providing good reception condition does not exist. In such a case, turn off the API or try to tune in another station.

● OTHER CONVENIENT FUNCTIONS

Setting the PI in the Preset Memory

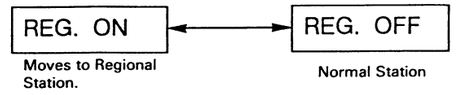
1. Tune in an RDS station and set the display to the station name display.
2. Press one of preset buttons 1 to 6 for two seconds.
3. The station name flashes for 5 seconds. Press the preset button at which you want to store the PI while the display is flashing. The PI is now stored in the memory.
4. Set other preset buttons in the same way.

- If a preset button at which a PI is stored is pressed, the station name will be displayed.
- If a preset button at which a PI is stored is pressed and a station broadcasting the same program cannot be received, "PI SEEK" appears on the display after 2 seconds and the set searches for a station broadcasting the same program.
- If a station broadcasting the same program cannot be tuned in, reception returns to the original frequency and the preset indicator turns off.

● REGIONAL PROGRAM OPERATION

Some broadcast stations will change from normal broadcasting to regional broadcasting for a certain time period. PI area code will change when the normal broadcasting is switched to the regional broadcasting. This operation allows selection of the function which moves to the regional station or remains in the normal broadcasting.

1. Push the A.P.I. button for more than 2 seconds and the dot matrix display shows REG. ON or REG. OFF.
2. Push the A.P.I. button within 2 seconds after the display of the dot matrix, and the REGIONAL ON, OFF operation will be made.



RDS auto memory function

Six RDS stations can be stored in the preset memory in order according to the best reception conditions.
Set to the RDS station reception mode.
Press the TUNE switch ㉞ to set the A.MEMO mode, then press the UP or DN switch (㉝ or ㉟) to start the auto memory operation.

CAUTION:

The PI and PS data stored in the memory are cleared when the auto memory function is used, so set them in the memory once again.

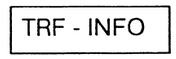
● TRAFFIC INFORMATION FUNCTION

With this function, traffic information can be received automatically from any mode. This function operates using the RDS TP and TA signals or the ARI SK and DK signals.

Traffic information being broadcasted through other network can be received by using EON signal.

To receive traffic information:

1. Press the TUNER/BAND button ㉜ to set the FM mode. (The traffic information function does not operate on the MW and LW bands.)
2. Press the T. INFO button ②. The T.INFO indicator ⑤ appears on the display.
   The TP indicator ㊷ lights when a traffic information station is received regardless of the traffic information mode.
3. Press the TUNE switch ㉞ to set the seek mode. (The SEEK indicator ⑲ appears on the display.)
4. Use the UP or DN switch (㉝ or ㉟) to start searching.
   The set automatically searches for a traffic information station.
   Once the station is tuned in, the TP indicator ㊷ appears on the display.
5. The following appears on the display when traffic information is received:



NOTE:

When a reception signal strength is poor during the traffic information reception, the function which holds the traffic information reception mode works for 1 minute.

If no information is received for 1 minute, the traffic information reception mode is automatically cancelled and the unit returns to the original mode. If a traffic information termination signal is received during the hold period, the unit also returns to the original mode.

6. If traffic information is received while a cassette is playing, the cassette is automatically paused and the traffic information can be heard. Once the traffic information is over, the set returns to the previous mode.

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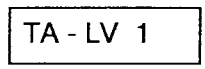
7. If traffic information is received when the volume control is set at the minimum, the volume is automatically set to the preset level while the traffic information is being received.
   Four preset volume levels can be set for traffic information reception
   (1) Press the TUNE switch ㉞ for 3 seconds.
   (2) Press the Preset No. 2 button ㉔ to switch between TA-LV 4 to TA-LV 1. Select the desired level.



8. When the reception of the broadcast station currently tuned in becomes poor, the TP indicator ㊷ turns off and the set is set to the following state:
   (1) An alarm is sounded after traffic information stations can no longer be received (the TP indicator ㊷ turns off).
   If a cassette is playing, it is paused automatically and the alarm is sounded.
   (2) Use the manual tuning, seek, or auto memory functions to tune in another station.
   (3) When the set is in the seek mode, if the UP or DN switch (㉝ or ㉟) is pressed, the set only searches for traffic information stations. It either finds a traffic information station or continues searching until the seek mode is canceled.

9. To search only for traffic information stations:
   (1) Press the TUNE switch ㉞ for 3 seconds.
   (2) Press the Preset No. 3 button ㉒.
   The display switches between "TP SEEK" and "TP ALARM" each time the Preset No. 3 button ㉒ is pressed.

   (3) Set the display to "TP SEEK" and press the TUNE switch ㉞.
   - In this mode, the set automatically searches for the traffic information station with the best reception in that area after the traffic information station can no longer be received (after the TP indicator ㊷ turns off).
   - When traffic information stations cannot be received, the previous station is tuned back in. This operation is performed again if traffic information signals can no longer be received. If traffic information is selected, the set may re-tune to a different station broadcasting other programs.
   - Traffic information stations are automatically tuned in even during playback of a cassette.

10. The set operates as follows if both the traffic information and A.P.I. modes are set:
    The automatic follow operation is performed for stations broadcasting the same program which are also traffic information broadcast stations.

    When traffic information stations cannot be received:
    In the alarm mode:
    An alarm is sounded after traffic information stations can no longer be received.
    If a cassette is playing, it is paused automatically, the alarm is sounded, and the radio mode is set.
    Use the manual tuning, seek, or auto memory functions to tune in another station.
    In the seek mode:
    The set automatically searches for RDS stations which are also traffic information broadcast stations. In this case, it searches for stations broadcasting other programs.

11. If you no longer want to hear traffic information, cancel the traffic information mode to return to normal radio reception.